

# New York State Department of Transportation

## Yellow Flag NB22CTW025

By: Rehan Afridi

Flag Date: July 26, 2022

Superseding Information:

No Flags Superseded

### Structure Information

*BIN:* 1065318

*Feature Carried:* 278I278IX2M23027

*Feature Crossed:* 6TH AVENUE

*Orientation:* 8 - NORTHWEST

*Region:* 11 - NEW YORK CITY

*County:* KINGS

*Political Unit:* City of NEW YORK

*Approximate Year Built:* 1962

*Posted Load Matches Inventory :* Yes

*Bridge Load Posting (Tons) :* Not Posted for Load

*Primary Owner:* New York State Department of Transportation

*Primary Maintenance Responsibility:* 12 - State - Subcontracted to another Party

*Typical or Main Span Type:* 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

*Number of Spans:* 322

### Verbal Notification Information

*Person Notified:* Heinz Joachim, P.E.

*Date:* July 26, 2022 2:00:00 PM

*Of:* NYSDOT Region 11

### Signature Information

*Signature:* Rehan Afridi, P.E. 075185

*Date:* August 03, 2022

*Reviewed By:* Robert Kemp

*Date:* August 03, 2022

*Attachments:* 6

### Flagged Elements

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 225</b>			
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	42	each

### Flagged Condition Description

This Yellow Flag No. NB22CTW025 is NEW.

Location: Span 225, Stringer S1 at Pier 225

Description: The left side connection angle at Stringer S1 in Span 225 at Pier 225 exhibits a full height thru vertical crack in the fillet of the connection angle. The right side connection angle exhibits no significant defects.

This is a NEW flag.

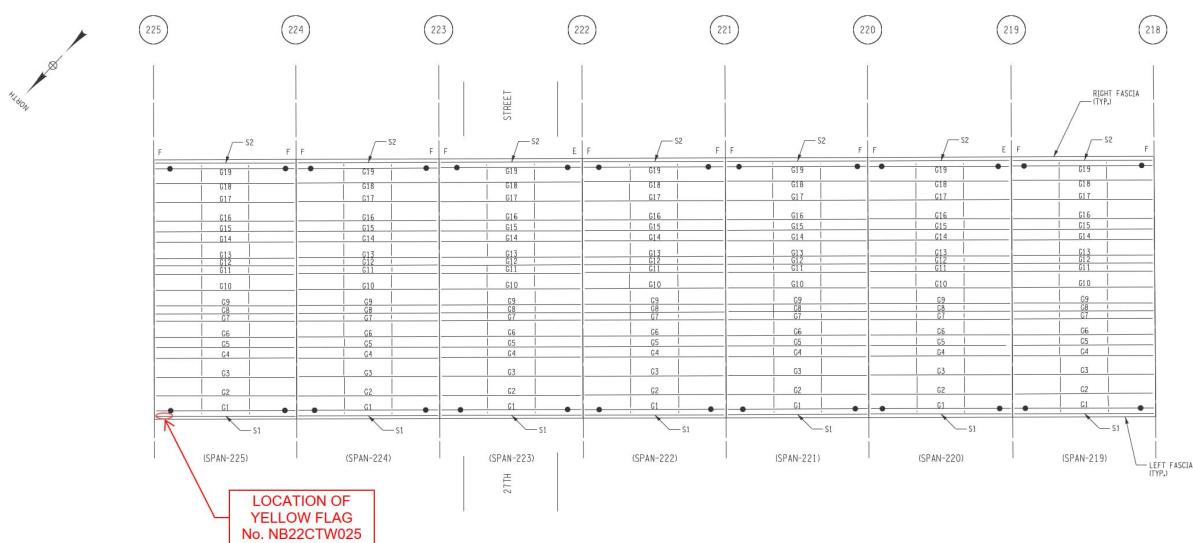
Notes:

- 1.Stringer S1 receives no direct live loading but supports the barrier/railing above on I278.
- 2.Stringer S1 web is in good condition with no significant defects. In addition, the bottom flange exhibits repair plates and is in good condition.
- 3.The adjacent Girder G1, spaced 2'-01" center to center, has a 6" long vertical crack in the left side connection angle. Yellow Flag No. NB22CTW026 has been issued for this condition in Girder G1.
- 4.Stringer S1 at Pier 225 on the Span 226 side of the pier exhibits a full height crack at the left side guide angle (no flag issued).
- 5.A double left lane closure at 3rd Avenue Westbound between 26th and 27th Streets, and a 35' bucket truck are required to access this location.

## Flag Photographs

Photo Number: 1

Photo Filename: Framing Plan.jpg



**Attachment Description: Framing Plan - Span 225**

Photo Number: 2

Photo Filename: Span 225 - S1 at P225\_Sketch.jpg

Gowanus Expressway  
2022 Biennial Inspection - Field Sketch

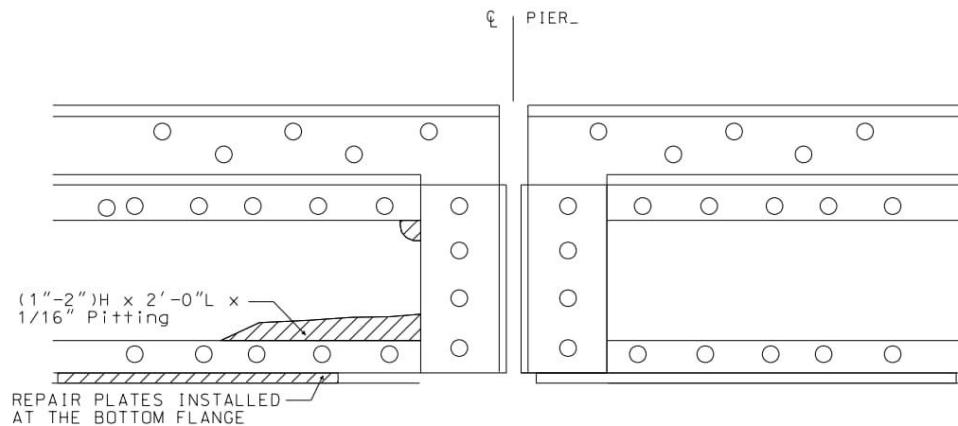
BIN: 1065318

Team: RA/MP

Date: 07/26/2022

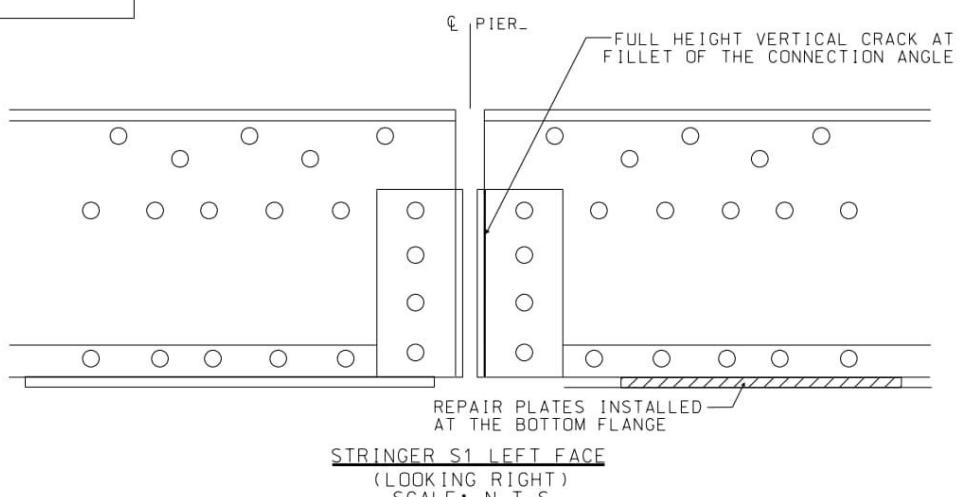
Span: 225

Location: S1 @ Pier 225



SPAN 225  
@ PIER 225  
S.1

STRINGER S1 RIGHT FACE  
(LOOKING LEFT)  
SCALE: N.T.S



STRINGER S1 LEFT FACE  
(LOOKING RIGHT)  
SCALE: N.T.S

WSP

**Attachment Description: Yellow Flag Condition Sketch**

Photo Number: 3

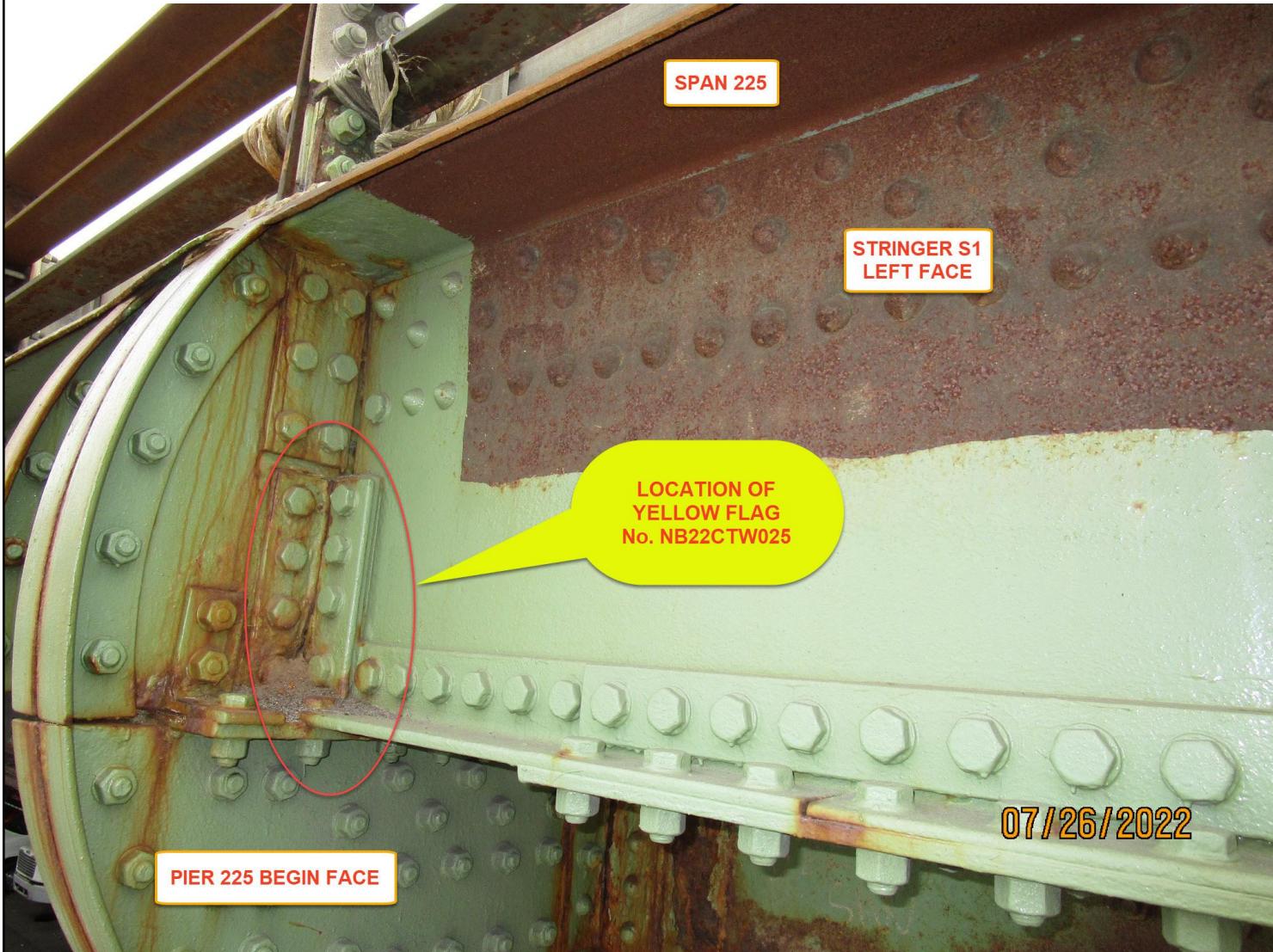
Photo Filename: Photo 1-RA 665\_2906.jpg



**Attachment Description:** General view of the flagged condition at Span 225 Stringer S1 at Pier 225. Looking End.

Photo Number: 4

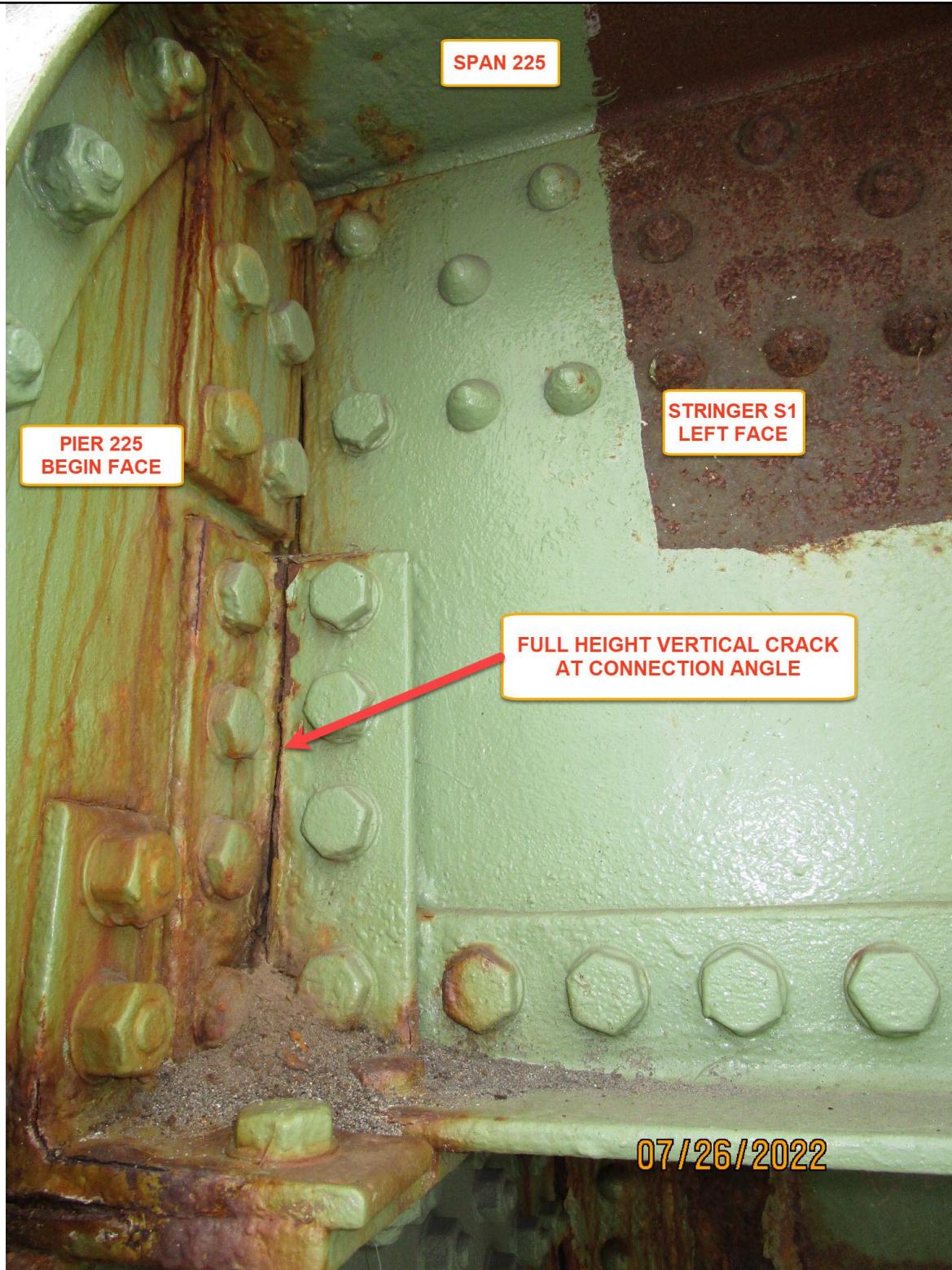
Photo Filename: Photo 2-RA 665\_2881.jpg



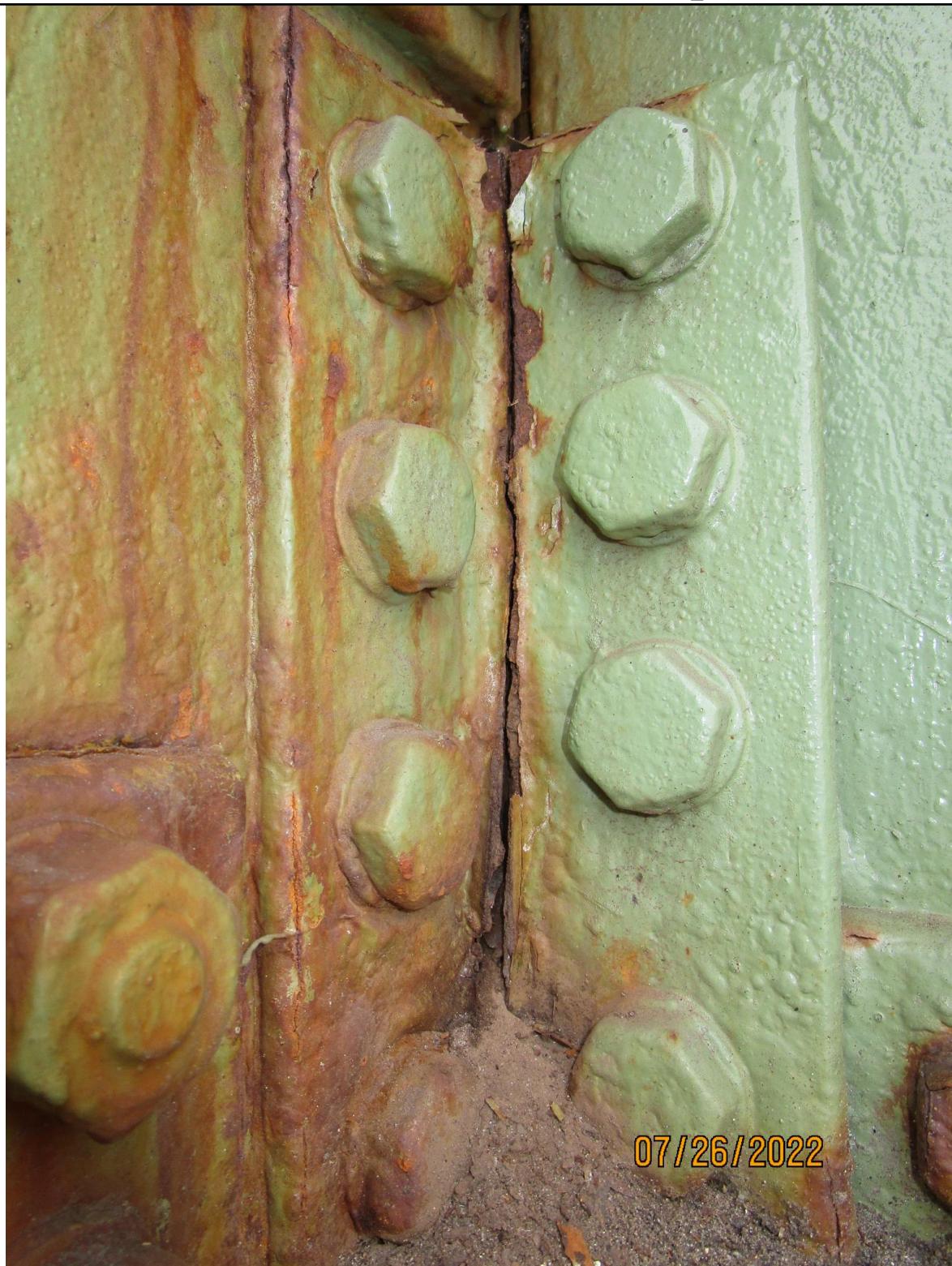
**Attachment Description:** Close up general view of the flagged condition at Span 225 Stringer S1 at Pier 225. Looking End.

Photo Number: 5

Photo Filename: Photo 3-RA 665\_2883.jpg



**Attachment Description:** The right side of Stringer S1 exhibits a full height crack at the connection angle. Looking End Right.

Photo Number: **6**Photo Filename: **Photo 4-RA 665\_2886.JPG**

**Attachment Description:** Close up view of the full height crack at the left side connection angle. Looking End Right.